



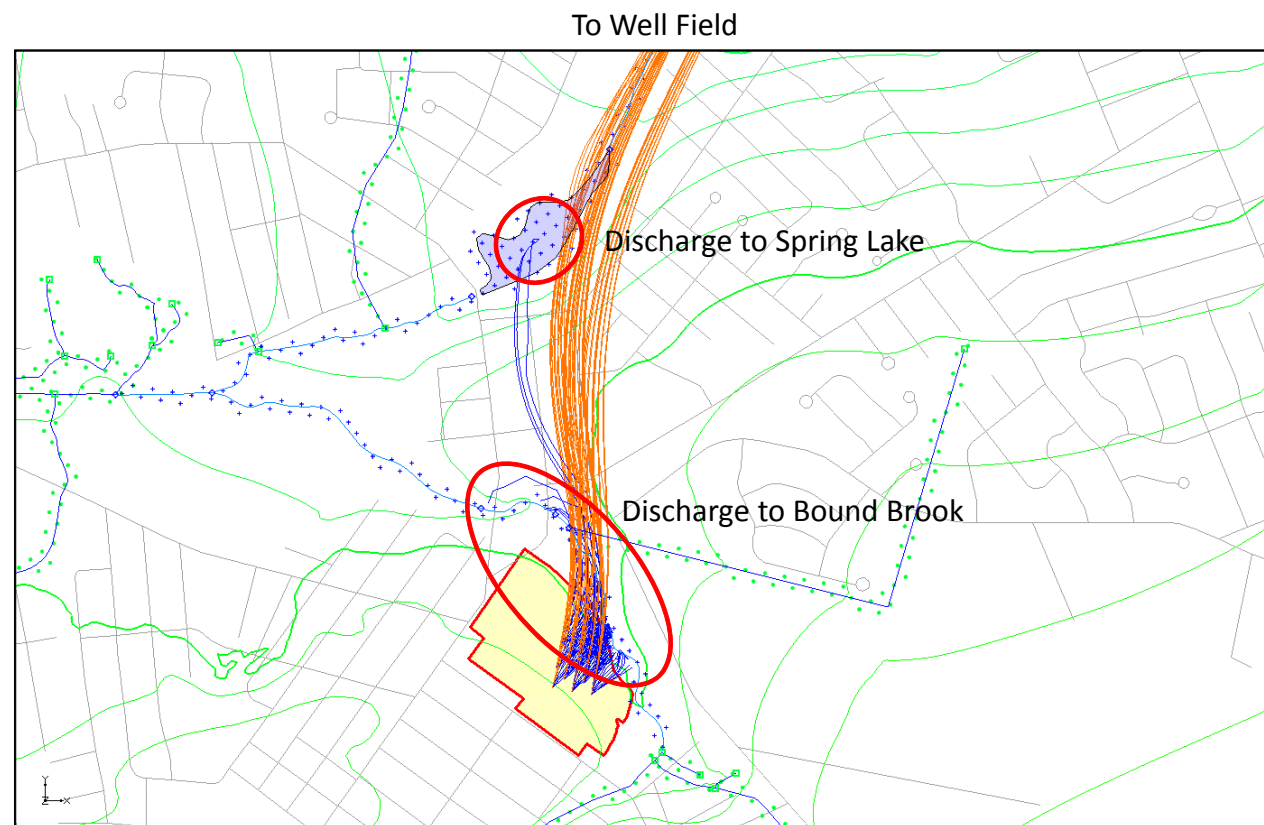
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Superfund Site  
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**DRAFT FINAL** Evaluation of Impoundment 65' AMSL  
Bound Brook OU4 RI/FS

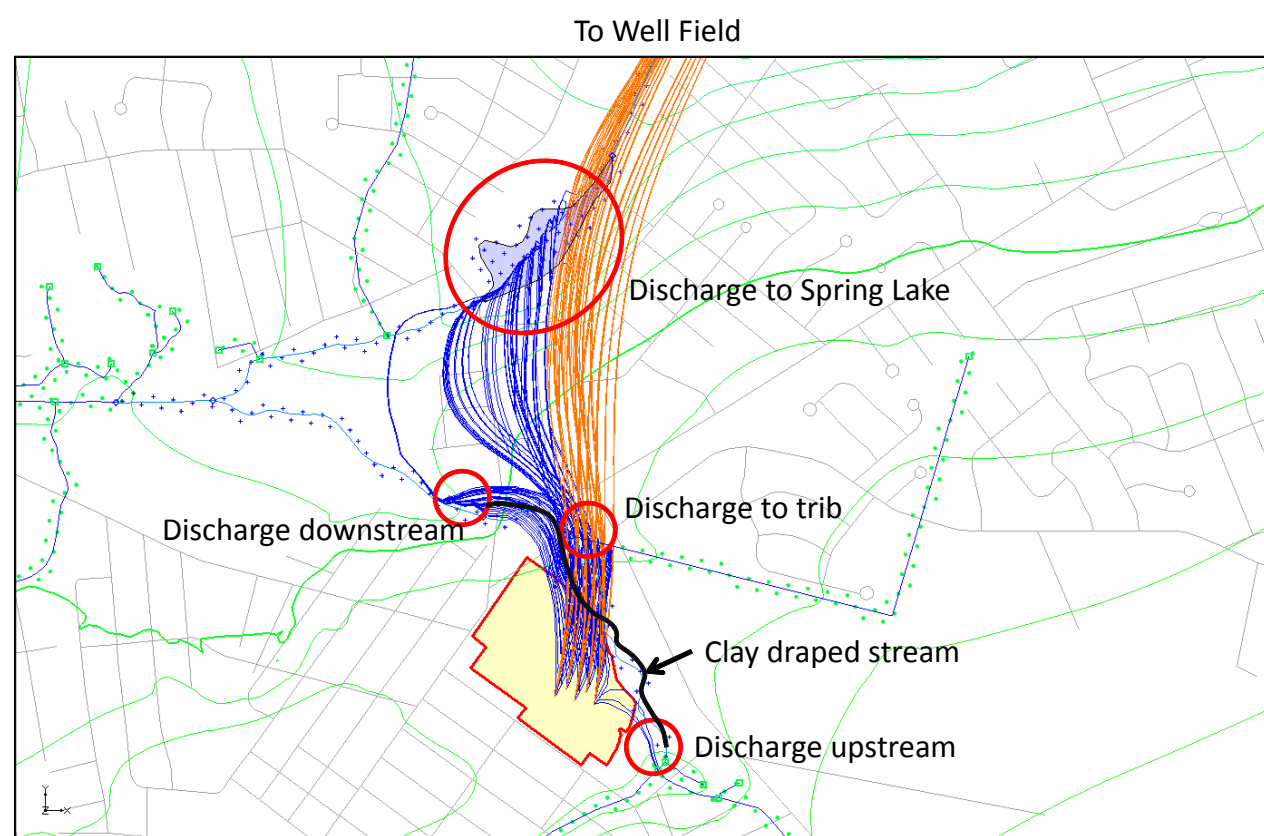
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Figure 6-1

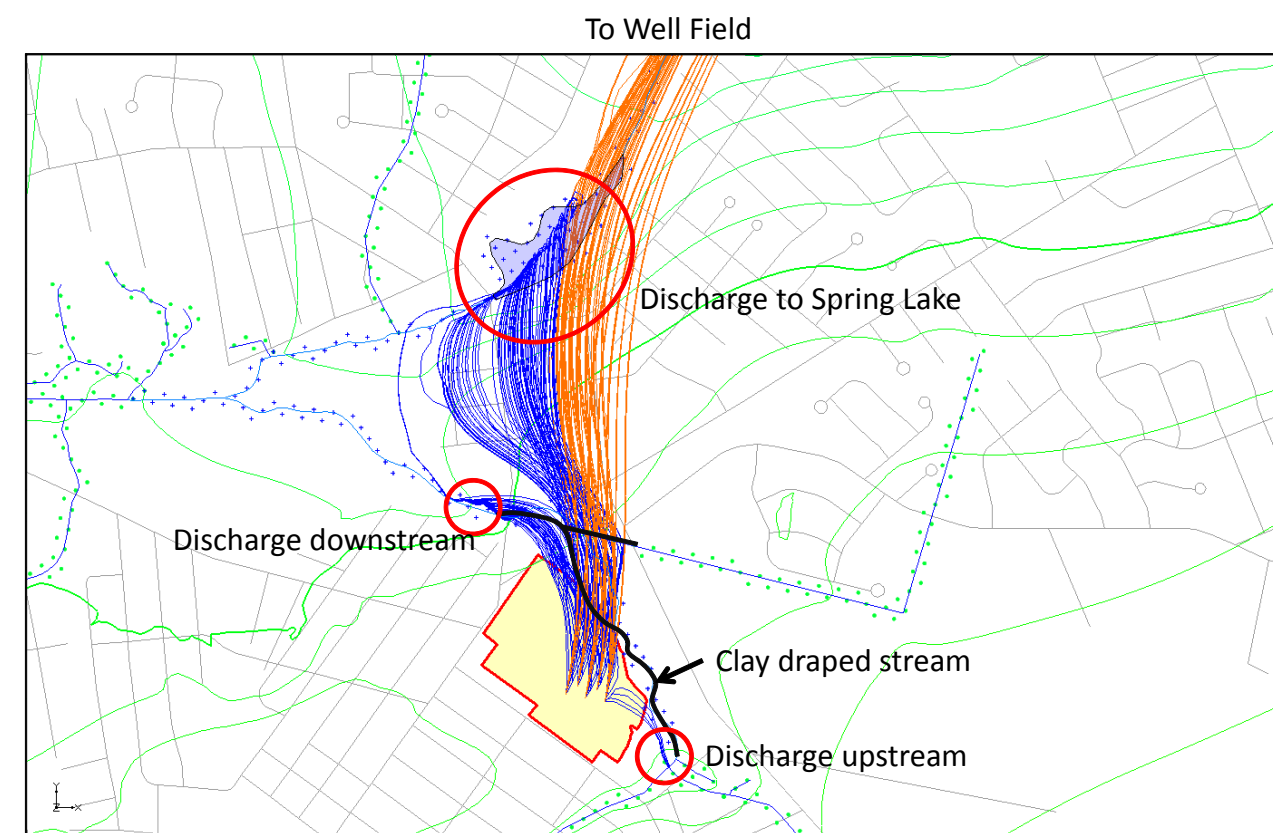




a) Particle tracking for the calibrated model - current conditions



b) Particle tracking for the clay drape in Bound Brook model



c) Particle tracking for the clay drape in Bound Brook and tributary model



## GRA Technology/Process Options

MNR/ MNA	Containment	Removal	Ex Situ Treatment	Disposal/ Beneficial Use
	Barriers	Dredging	Biological	On-Site Disposal
	Hydraulic Containment	Excavation	Physical/ Chemical Extraction	Off-Site Disposal
	Capping	Extraction	Physical/ Chemical Treatment	Aquatic Disposal
	Structural Controls	Bioaccumulation	Chemical Fixation	Discharge Treated Water
			Thermal	Beneficial Use
			Off-Site Treatment	

## GRA Technology/Process Options for GW Following Screening

Containment	Ex Situ Treatment	Disposal/ Beneficial Use
Barriers	Biological Treatment	Discharge Treated Water
Hydraulic Containment	Physical/ Chemical Treatment	Beneficial Use
Capping		

*No Action and Institutional Controls addressed separately*



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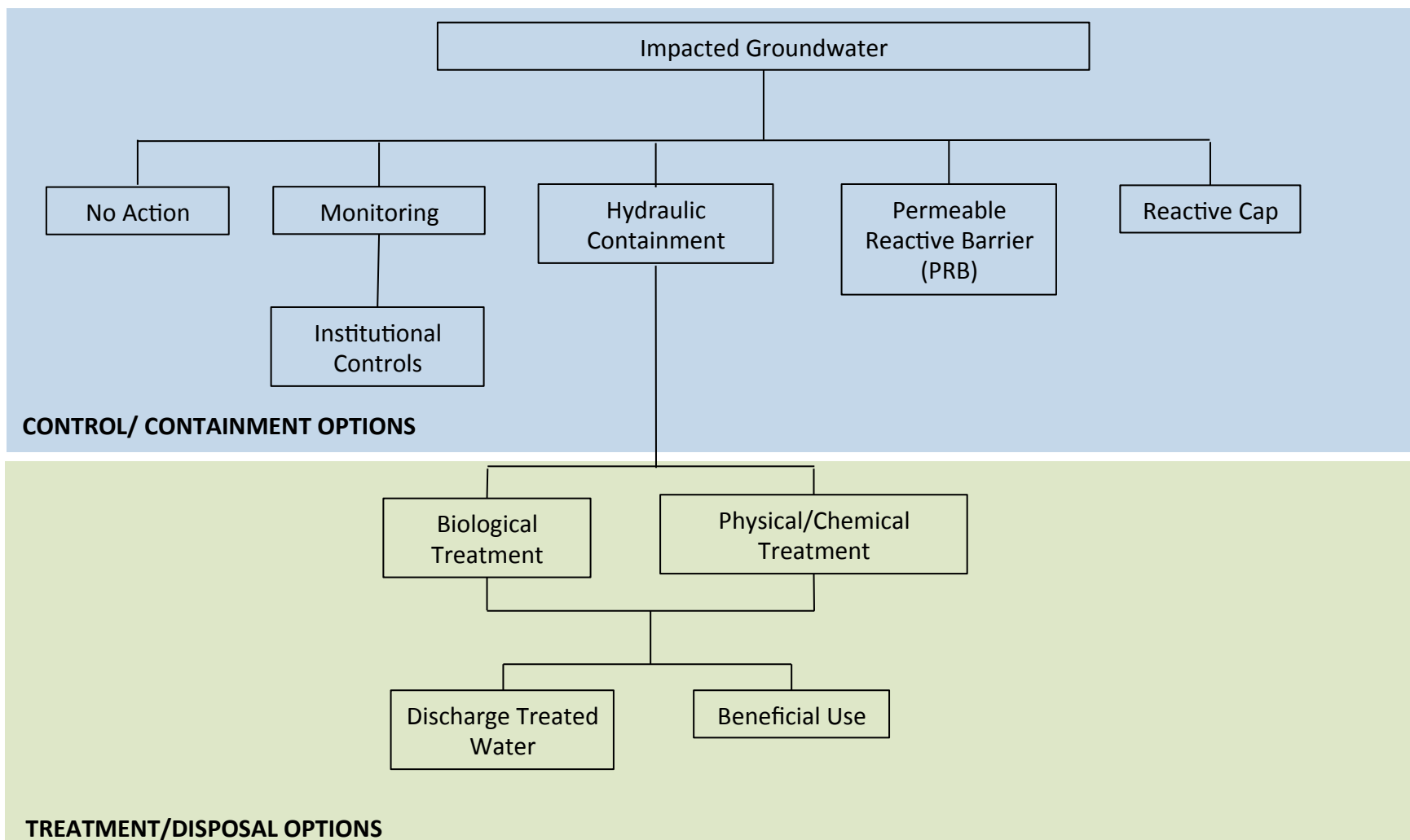
### Results of Screening Process for GW RAA

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FIGURE 9-1

## Groundwater Discharge to Surface Water (GW) Decision Tree



*Institutional Controls applied to all Alternatives except No Action*



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### Decision Tree for GW RAA

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FIGURE 9-2





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**Alternative GW-2: Monitoring and Institutional Controls**

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Figure 9-3





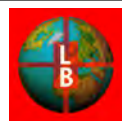
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**Alternative GW-3:**  
**Hydraulic Control of Groundwater**  
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FIGURE 9-4





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**Alternative GW-4: Permeable Reactive Barrier**

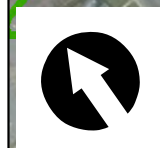
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Figure 9-5



- Legend**
- Main Investigation Area
  - Bound Brook Centerline River Mile (RM)
  - Former CDE Facility
  - Proposed PRB Cap



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**Alternative GW-5: Reactive Cap**

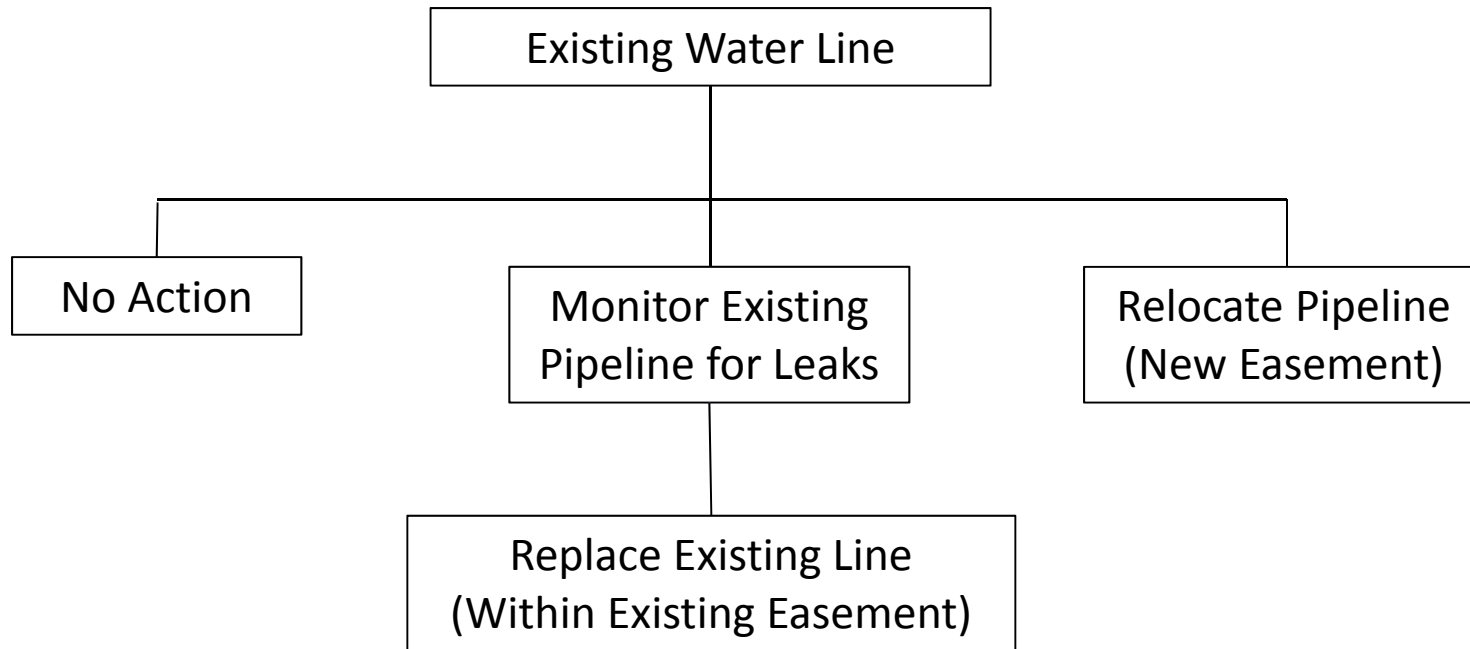
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Figure 9-6



## Water Line (WL) Decision Tree



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### Decision Tree for WL RAA

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FIGURE 10-1





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Alternative WL-2: Water Line Monitoring System, Replacement in Existing Easement as Necessary

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Figure 10-2





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**Alternative WL-2: Water Line Replacement in New Easement**

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Figure 10-3